

AGRICULTURAL ENGINEERING

The Journal of the

American Society of Agricultural Engineers

Index to Volume 5—January to December, 1924

1924

January	Corn Production in Kansas, Economical (W. E. Grimes)	220	Kelleher, R. C.—Types of farm septic tanks	130
February	Davidson, J. B.—The manless plow	174	Kelley, J. B.—Research problems in the design of tobacco barns	88
March	Drainage	75	Kelley, M. A. R.—Recent tests of ventilation systems in farm buildings	7
April	Is tile drainage a real source of profit in farming (H. B. Roe)	133	The relation of farm animals to proper ventilation of barns	155
May	Research, 1923 (R. W. Trullinger)	121-144	Kinsman, C. D.—Summary of the na- tional farm power survey	176
June	Run-off for open ditch land drainage	145-168	Laist, T. F.—Fire-resistive construction as applied to lumber-built farm struc- tures	229
July	(C. E. Ramser)	169-192	Land Clearing (See Clearing, Land)	
August	Agricultural engineers design super- underdrainage system	193-216	Land Colonization (See Colonization)	
September	Driftmier, R. H.—Investigation of farm sewage disposal systems	217-240	Land Reclamation (See Reclamation)	
October	241-264	11	Land Settlement (See Colonization)	
November	Duffee, F. W.—Testing the efficiency of silage cutters	265-288	Livingston, L. F.—Some new develop- ments in land clearing	86
December	Dynamometers, Some Power Studies Through Use of the Ohio Recording Belt (G. W. McCuen)	51	Lovejoy, P. S.—Agricultural engineering —when par is datum	196
Agricultural Engineering (Agricultural Engineers)				151
The relation of the farm equipment in- dustry to agricultural engineering (Raymond Olney)				12
The president's annual address (S. H. McCrory)				149
Agricultural engineering—when par is datum (P. S. Lovejoy)				196
Agricultural engineering from the farm equipment manufacturer's viewpoint (H. J. Hirschheimer)				200
The relation of agricultural engineering to the farm equipment industry (H. B. Walker)				244
Professional agricultural engineering service (S. F. Morse)				271
Evolution and progress of agricultural engineering at the agricultural experi- ment stations (R. W. Trullinger)				276
American Society of Agricultural En- gineers				
The relation of the farm equipment in- dustry to agricultural engineering (Raymond Olney)				
The president's annual address (S. H. McCrory)				149
Ashby, Wallace—Problems of the new settler on reclaimed cut-over land				27
Aspenwall, C. O.—Economics of the corn picker-husker				199
Baker, J. S.—Power required to drive farm pumps				201
Bolt Tight? When is a (C. I. Gunness)				247
Buildings				
(See also Heating; Materials; Roofs; Storage; Structural Equipment; Ven- tilation)				
Research, 1923 (R. W. Trullinger)				110
How far should farm houses be stand- ardized (W. G. Ward)				172
Fire-resistant construction as applied to lumber-built farm structures				229
Carter, D. G.—Building and equipment factors in the cost of dairy products				80
Clarkson, W. B.—Overcoming sales re- sistance to modern barn equipment an agricultural engineering problem				105
Clearing, Land— (See also Explosives)				
Some new developments in land clear- ing (L. F. Livingston)				86
Experiments in plowing cut-over land				127
Research, 1923 (R. W. Trullinger)				161
Clyde, A. W.—Test of a masonry arch barn roof				30
Colonization				
Problems of the new settler on re- claimed cut-over land (Wallace Ash- by)				27
Farmstead engineering at Delhi Colony (M. E. Cook)				132
Cook, Max E.—Farmstead engineering at Delhi Colony				132
Corn Picker-Husker, Economics of the (C. O. Aspenwall)				199
Irrigation				
A review of important advances in irri- gation since 1900				9, 32
Measurement of seepage losses in can- als (O. V. P. Stout)				82
Research, 1923 (R. W. Trullinger)				133
Ives Passes Away, President				148
Johnson, C. N.—Present status of electric machinery for agricultural purposes				11
Machinery (Mechanical Equipment)				
(See also Electricity; Ensilage Cutters; Plows; Power; Research; Standardi- zation; Threshers; Tractors)				
The relation of the farm equipment industry to agricultural engineering (Raymond Olney)				12
Farm machinery lowers production cos; (F. P. Mount)				31
Research, 1923 (R. W. Trullinger)				158
Garden machinery demonstrations (E. R. Gross)				107
Economics of the corn picker-husker (C. O. Aspenwall)				150
Relation of large machinery units to production (E. B. Haight)				199
Marl Excavating Equipment, Develop- ment of (H. H. Musselman)				248
Materials, Structural				
Research, 1923 (R. W. Trullinger)				162
McCrory, S. H.—The president's annual address				149
McCuen, G. W.— Some power studies through use of the Ohio recording belt dynamometer				51
Motorizing the corn crop in Ohio				268
McPheevers, W. H.—Soil erosion as a re- search problem				158
Meetings (A.S.A.E.)				
Committee on Cooperative Relations				114
The 18th annual meeting				164
Joint Committee on Cooperative Rela- tions				259
Farm Power and Machinery Division				275
Menzies, Wm.—Does the battery or the unit determine the size of a farm electric plant?				227
Morse, Stanley F.—Professional agricul- tural engineering service				271
Musselman, H. H.—Development of marl excavating equipment				273
Neff, G. C.—Electric service for rural districts				56
Nichols, M. L.—Agricultural engineering research in farm field equipment				35
Olney, Raymond—The relation of the farm equipment industry to agricul- tural engineering				12
Patch, E. S.—The place of research in the agricultural engineering field				14

Plows (Plowing)	
Experiments in plowing cut-over land	127
The manless plow (J. B. Davidson)	174
Power	
Some power studies through use of the Ohio recording belt dynamometer (G. W. McCuen)	51
Summary of the national farm power survey (C. D. Kinsman)	176
Motorizing the corn crop in Ohio (G. W. McCuen)	268
Pumps (See Water Supply)	
Ramser C. E.—Run-off for open ditch land drainage	222
Reclamation, Land	
(See also Clearing; Colonization; Drainage; Erosion; Irrigation)	
A big reclamation job for agricultural engineers (Samuel Fortier)	
Research	
The place of research in the agricultural engineering field (E. S. Patch)	
Agricultural engineering research in farm field equipment (M. L. Nichols)	
Some research features of the wooden fence post as a structural timber (R. W. Trullinger)	
Research problems in the design of tobacco barns (J. B. Kelley)	59
Research in agricultural engineering, 1923 (R. W. Trullinger)	107, 133
Soil erosion as a research problem (W. H. McPheeters)	160
Some research features of the application of electricity to agriculture (R. W. Trullinger)	180, 203
Investigation of farm sewage disposal systems (R. H. Driftmier)	232
Some fundamentals of the ventilation of animal shelters (R. W. Trullinger)	233
Evolution and progress of agricultural engineering at the agricultural experiment stations (R. W. Trullinger)	276
Roe, H. B.—Is tile drainage a real source of profit in farming	75
Roofs	
Test of a masonry arch barn roof (A. W. Clyde and Henry Glese)	30
Rowlands, W. A.—New developments in salvaged war explosives	175
Rural Electrification (See Electricity)	
Sanitation (See Heating; Sewage Disposal; Ventilation; Water Supply)	
Septic Tanks (See Sewage Disposal)	
Sewage Disposal	
Types of farm septic tanks (R. C. Kelleher)	130
Sewage disposal investigations (E. A. Stewart)	131
Research, 1923 (R. W. Trullinger)	160
Investigation of farm sewage disposal systems (R. H. Driftmier)	232
13 Silage Cutters (See Ensilage Cutters)	
Soil Erosion (See Erosion)	
Standardization (Standards)	
Standardization of rough machine bolts, carriage bolts, nuts, plow bolts and wrench openings used in farm equipment (O. B. Zimmerman)	58
Stewart, E. A.—	
Utilization of electricity in agriculture	126
Sewage disposal investigations	131
Storage, Crop	
Research, 1923 (R. W. Trullinger)	111
Stout, O. V. P.—Measurement of seepage losses in canals	82
Structural Equipment	
(See also Buildings)	
Building and equipment factors in the cost of dairy products (D. G. Carter)	80
Overcoming sales resistance to modern barn equipment an engineering problem (W. B. Clarkson)	105
Swenehart, John—The utilization of salvaged war explosives in cut-over land reclamation	84
Terracing (See Erosion)	
Temple Bill, Get Behind the (Editorial)	99
Thresher, The California Miniature	58
Tobacco Barns, Research Problems in the Design of (J. B. Kelley)	88
Tractors	
The general-purpose farm tractor (F. A. Wirt)	
Experiments in plowing cut-over land	102
Trullinger, R. W.—	
Some research features of the wooden fence post as a structural timber	59
Research in agricultural engineering, 1923	107, 133, 160
Some research features of the application of electricity to agriculture	180, 203
Some fundamentals of the ventilation of animal shelters	253
Evolution and progress of agricultural engineering at the agricultural experiment stations	276
Ventilation	
Recent tests of ventilation systems in farm buildings (M. A. R. Kelley)	7
Research, 1923 (R. W. Trullinger)	111
Comparative tests of roof ventilators (W. G. Ward)	128
The relation of farm animals to proper ventilation of barns (M. A. R. Kelley)	155
Some fundamentals of the ventilation of animal shelters (R. W. Trullinger)	253
Walker, H. B.—The relation of agricultural engineering to the farm equipment industry	244
Ward, W. G.—	
Comparative tests of roof ventilators	128
How far should farm houses be standardized?	172
Water Supply	
Research, 1923 (R. W. Trullinger)	160
Power required to drive farm pumps (J. S. Baker)	201
Wirt, F. A.—The general-purpose farm tractor	102

